

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

PTO/SB/02A (10-00)

→ +

Approved for use through 10/31/2002 OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

APR 29 2002
 PATENT & TRADEMARK DEPT.
 U.S. DEPT. OF COMMERCE

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 2

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)
Approved for use through 10/31/2002 OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/998,667
	Filing Date	December 3, 2001
	First Named Inventor	Masuda, Esteban, <i>et al.</i>
	Title	TRAC1: MODULATORS OF LYMPHOCYTE ACTIVATION
	Group Art Unit	1653
	Examiner Name	Unassigned
	Attorney Docket Number	021044-000600US

I hereby appoint:

☒ Practitioners at Customer Number

20350

Place Customer
Number Bar Code
Label here

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

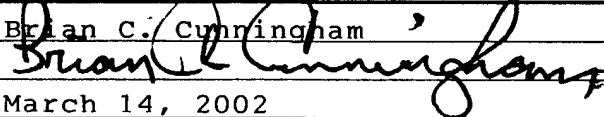
I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Brian C. Cunningham
Signature	
Date	March 14, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of one forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SF 1310172 v1

**COPY OF PAPERS
ORIGINALLY FILED**

Attorney Docket No.: 021044-000600US

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application of
- ☒ Application No. 09/998,667 filed on December 3, 2001
- ☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor 1 Esteban Masuda Date: Feb 6, 2002

Signature: [Signature] Citizen of: Colombia

Inventor 2 X. Charlene Liao Date: 3/8/2002

Signature: [Signature] Citizen of: United States

Inventor 3 Haoran Zhao Date: 3/8/2002

Signature: [Signature] Citizen of: United States

Inventor 4 Peter Chu Date: 2/6/2002

Signature: [Signature] Citizen of: United States

☒ Additional inventors are being named on form(s) attached hereto.

Burden Hour Statement. This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. SF 1310981 v1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Esteban Masuda of 232 Oakhurst Place, Menlo Park, CA 94025; X. Charlene Liao of 3751 Middlefield Road, Palo Alto, CA 94303; Haoran Zhao of 330 Port Royal Avenue, Foster City, CA 94404; Peter Chu of 15 Lincoln Way, #105, San Francisco, CA 94122; Jorge Pardo of 2295 44th Avenue, San Francisco, CA 94116; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TRAC1: MODULATORS OF LYMPHOCYTE
ACTIVATION

Date(s) of execution of Declaration:

Filing Date: December 3, 2001

Application No.: 09/998,667; and

WHEREAS, Rigel Pharmaceuticals, Inc., a corporation of the state of Delaware, located at 240 East Grand Avenue, South San Francisco, CA, 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Exhibit only - not for recordation

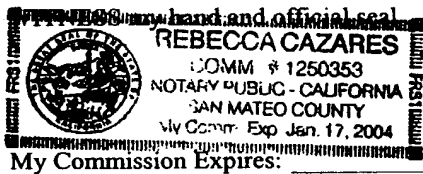
Joint Assignment
Attorney Docket No.: 021044-000600US
Page 3

Dated: 03/08/02

Haoran Zhao
Haoran Zhao

STATE OF CALIFORNIA)
)
COUNTY OF) ss.

On March 8, 2002, before me, Rebecca Cazares,
personally appeared Haoran Zhao, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



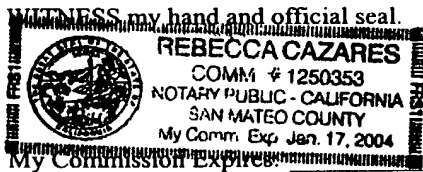
Rebecca Cazares
NOTARY PUBLIC

Dated: 2/6/02

Peter Chu
Peter Chu

STATE OF CALIFORNIA)
)
COUNTY OF San Mateo) ss.

On February 6, 2002, before me, Rebecca Cazares,
personally appeared Peter Chu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.




Rebecca Cazares
NOTARY PUBLIC

Dated: 02/06/02

Jorge Pardo
Jorge Pardo

STATE OF CALIFORNIA)
COUNTY OF San Mateo) ss.

On February 6, 2002, before me, Rebecca Cazares,
personally appeared Jorge Pardo, personally known to me (or proved to me on the basis of satisfactory evidence) to
be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon
behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal
 REBECCA CAZARES
COMM # 1250353
NOTARY PUBLIC - CALIFORNIA
SAN MATEO COUNTY
My Comm. Exp. Jan. 17, 2004
My Commission Expires: _____

Rebecca Cazares
NOTARY PUBLIC

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: Feb 6, 2002

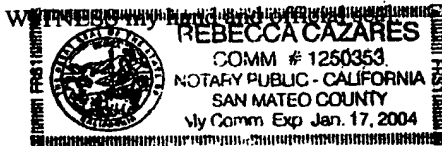
Esteban Masuda
Esteban Masuda

STATE OF CALIFORNIA)

COUNTY OF San Mateo)

ss.

On February 6, 2002, before me, Rebecca Cazares, personally appeared Esteban Masuda, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



My Commission Expires: _____

Rebecca Cazares
NOTARY PUBLIC

Dated: 3/8/2002

X. Charlene Liao
X. Charlene Liao

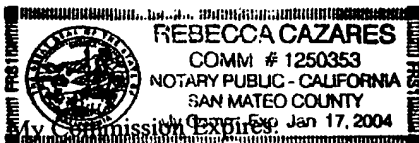
STATE OF CALIFORNIA)

COUNTY OF _____)

ss.

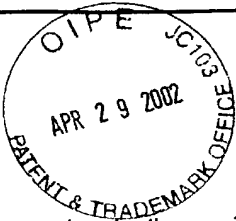

On March 8, 2002, before me, Rebecca Cazares, personally appeared X. Charlene Liao, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: _____

Rebecca Cazares
NOTARY PUBLIC

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) 021044-000600US										
												
In re Application of MASUDA et al.												
Application Number 09/998,667	Filed December 3, 2001											
For TRAC1: MODULATORS OF LYMPHOCYTE ACTIVATION												
Group Art Unit 1653	Examiner Not yet assigned											
<p>This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.</p> <p>The requested extension and appropriate non-small-entity fee are as follows (check time period desired):</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> One month (37 CFR 1.17(a)(1))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input checked="" type="checkbox"/> Two months (37 CFR 1.17(a)(2))</td> <td style="text-align: right;">\$400</td> </tr> <tr> <td><input type="checkbox"/> Three months (37 CFR 1.17(a)(3))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Four months (37 CFR 1.17(a)(4))</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Five months (37 CFR 1.17(a)(5))</td> <td style="text-align: right;">\$</td> </tr> </table> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is \$ 200.</p> <p><input type="checkbox"/> A check in the amount of the fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p>The Commissioner has already been authorized to charge fees in this application to a Deposit Account.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 20-1430.</p> <p>I have enclosed a duplicate copy of this sheet.</p> <p>I am the <input type="checkbox"/> applicant/inventor.</p> <p><input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71</p> <p style="padding-left: 40px;">Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).</p> <p><input checked="" type="checkbox"/> attorney or agent of record.</p> <p><input type="checkbox"/> attorney or agent under 37 CFR 1.34(a).</p> <p style="padding-left: 40px;">Registration number if acting under 37 CFR 1.34(a). _____</p> <p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p>04/18/02</p> <p>_____</p> <p>Date</p> </div> <div style="text-align: center;">  <p>Signature</p> <p>Annette S. Parent, Reg. No. 42,058</p> <p>Typed or printed name</p> </div> </div> <p style="font-size: small;">NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below".</p> <p><input checked="" type="checkbox"/> *Total of 1 forms are submitted.</p>			<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$	<input checked="" type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$400	<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$	<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$	<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$
<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$											
<input checked="" type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$400											
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$											
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$											
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$											

COPY OF PAPERS
ORIGINAL FILED

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. SF 1337845 v1

06/03/2002-WBEPHE

01 FOI/EI

2002-04-18

**COPY OF PAPERS
ORIGINALLY FILED**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

PATENT

Box Missing Parts

Attorney Docket No.: 021044-
000600US

Assistant Commissioner for Patents,
Washington, D.C. 20231, on 04/18/02

TOWNSEND and TOWNSEND and CREW LLP

By

Dana Kane

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MASUDA et al.

Examiner: Unassigned

Serial No.: 09/998,667

Art Unit: 1653

Filed: December 3, 2001

Batch No.: Unassigned

**For: TRAC1: MODULATORS OF
LYMPHOCYTE ACTIVATION**

LETTER TO OFFICIAL DRAFTSPERSON

Box Missing Parts

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

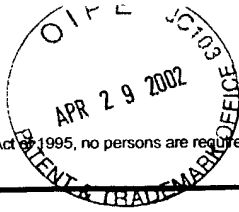
Pursuant to the Notice to File Missing Parts of Nonprovisional Application dated December 26, 2001, applicants submit 34 sheets of substitute formal drawings to be made of record in the above-identified case.

[illegible]

Respectfully submitted,

Annette S. Parent

Annette S. Parent
Reg. No. 42,058



COPY OF PAPERS
ORIGINALLY FILED

PTO/SB/96 (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Attorney Docket No. 021044-000600US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Esteban Masuda, X. Charlene Liao, Haoran Zhao, Peter Chu, and Jorge Pardo

Application No./Patent No.: 09/998,667

Filed/Issue Date: December 3, 2001

Entitled: TRAC1: MODULATORS OF LYMPHOCYTE ACTIVATION

Rigel Pharmaceuticals, Inc.

, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

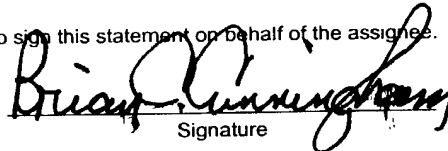
☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

March 14, 2002

Date


Signature

Brian C. Cunningham

Typed or printed name

President & COO

Title

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SF 1310173 v1